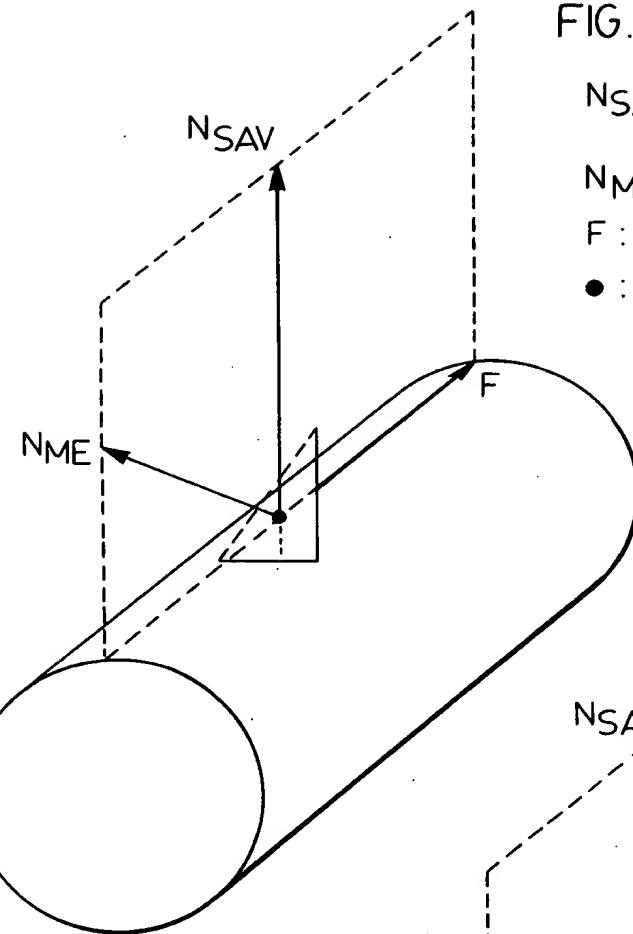


FIG.1. (PRIOR ART)



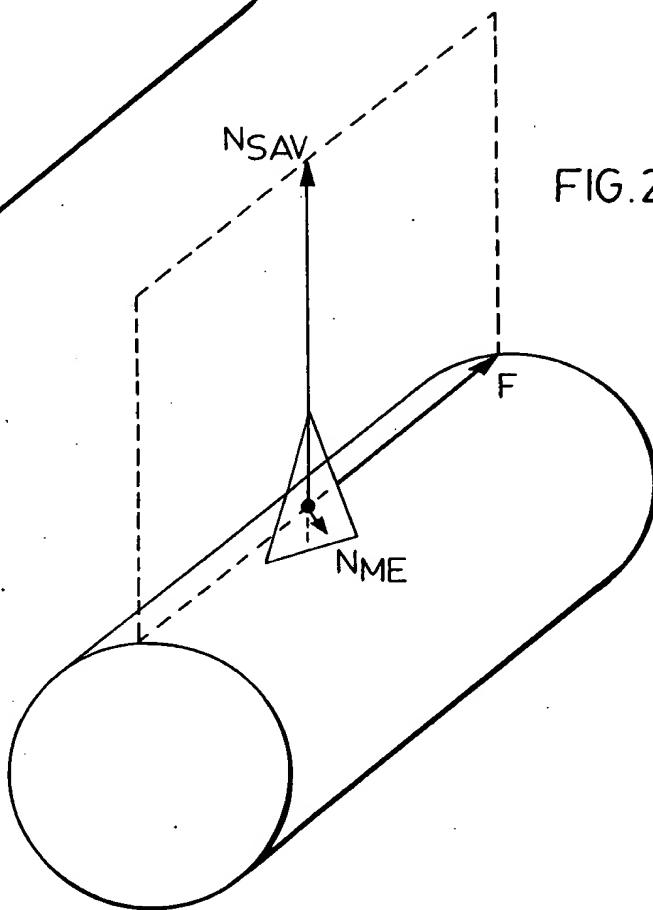
N_{SAV} : Normal to Surface Adjacent to a Vortex.

N_{ME} : Normal to Mixing Element.

F : Direction of fluid flow.

●: Centroid of mixing element.

FIG.2.



N_{SAV} : Normal to Surface Adjacent to a Vortex.

N_{MDS} : Normal to Mixing Device Surface.

F : Direction of fluid flow

●: Centroid of mixing device

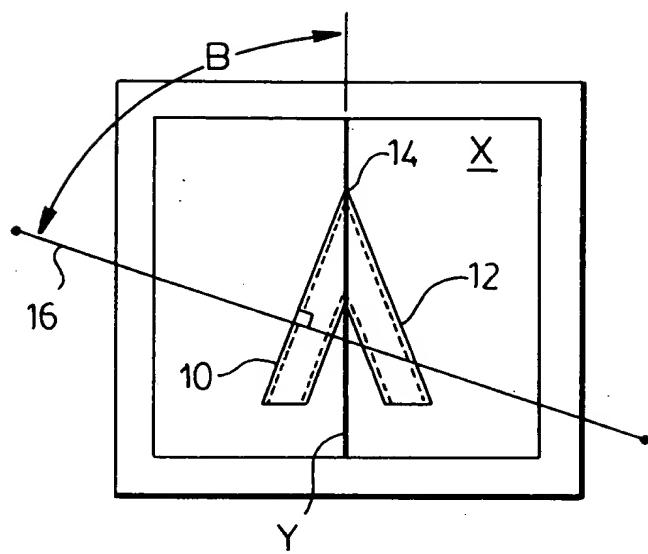


FIG. 3B.

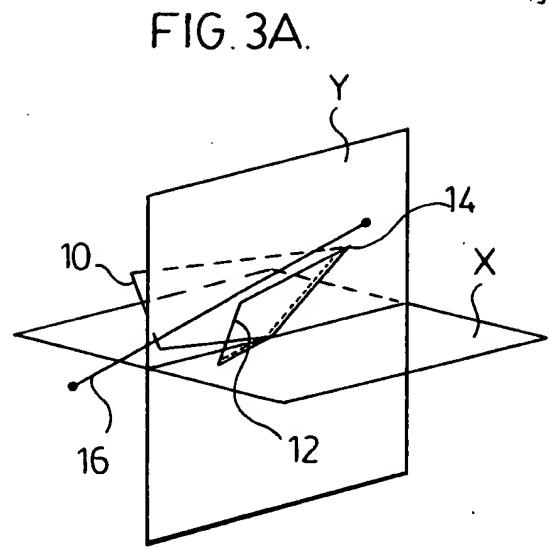


FIG. 3A.

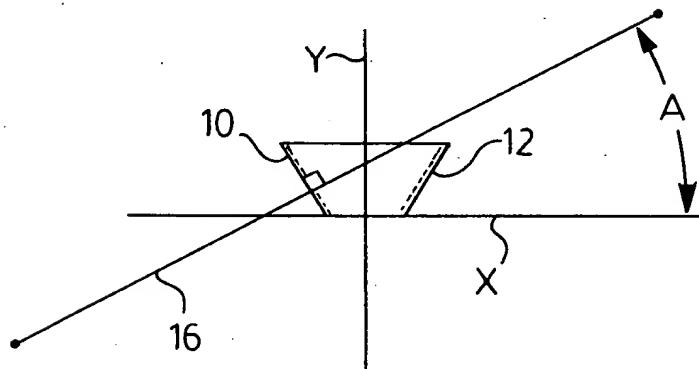


FIG. 3C.

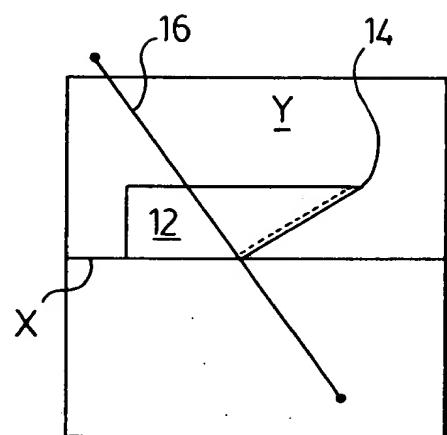


FIG. 3D.

FIG.4.

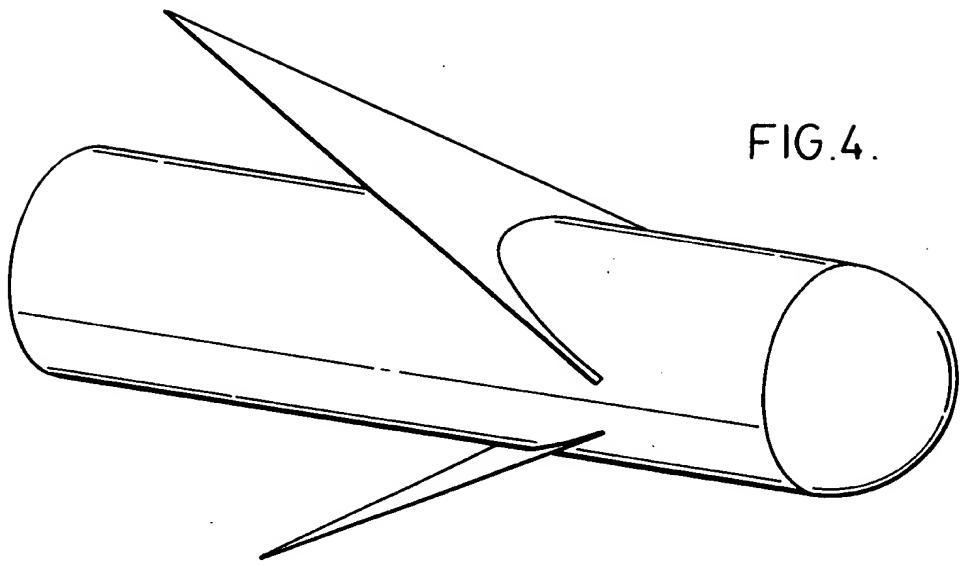


FIG.5.

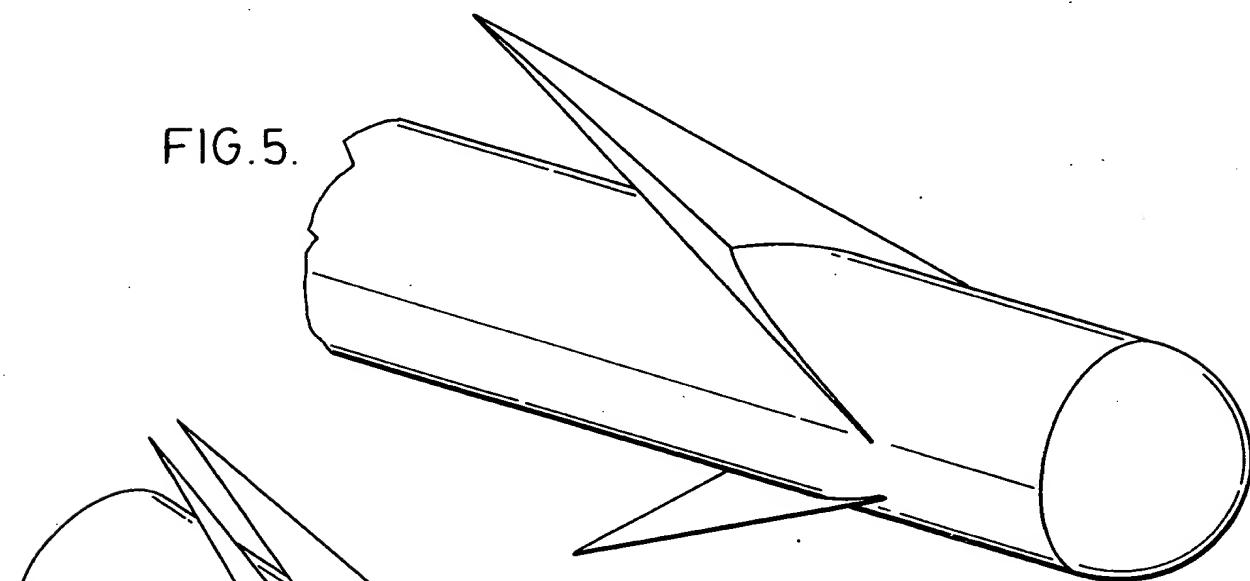
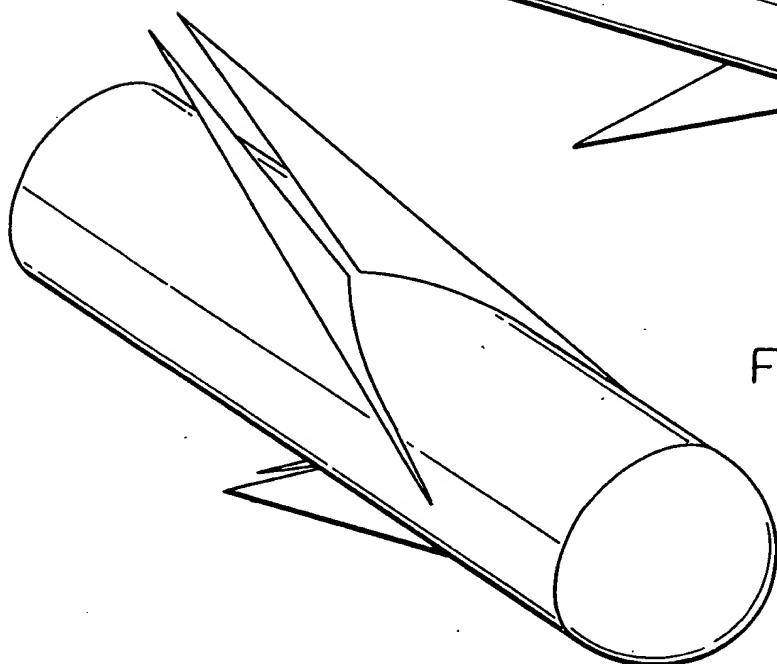


FIG.6.



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FIG. 7.

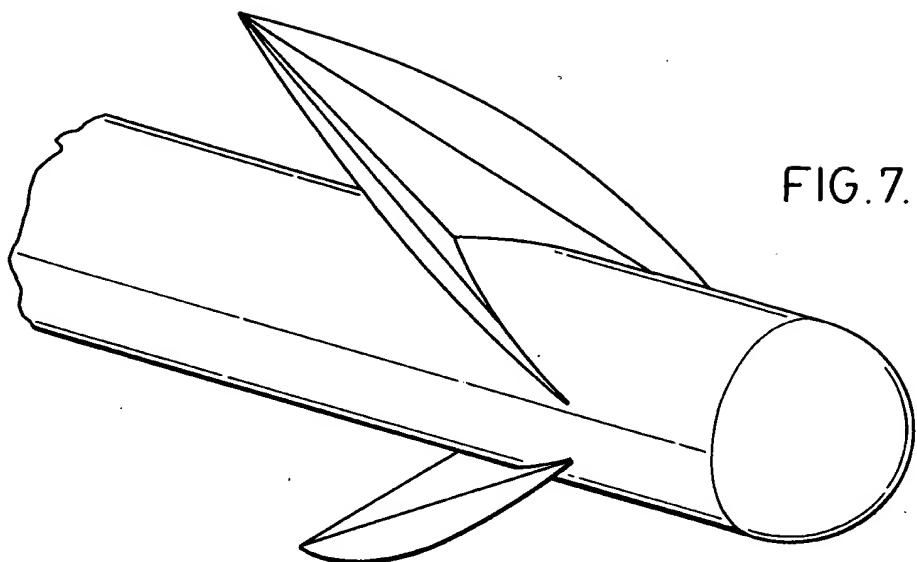


FIG. 8.

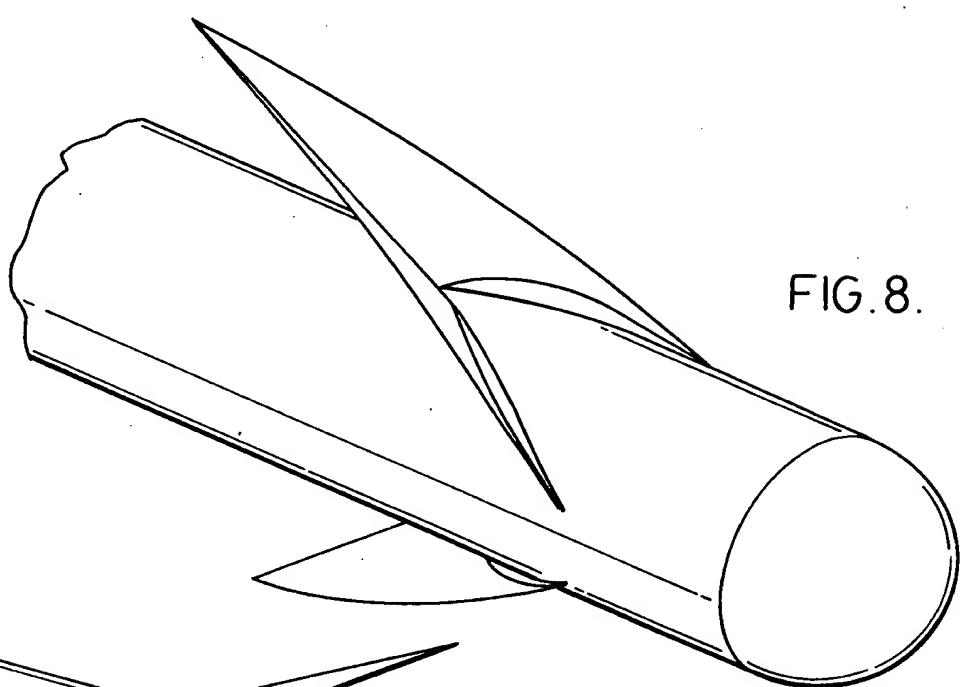


FIG. 9.

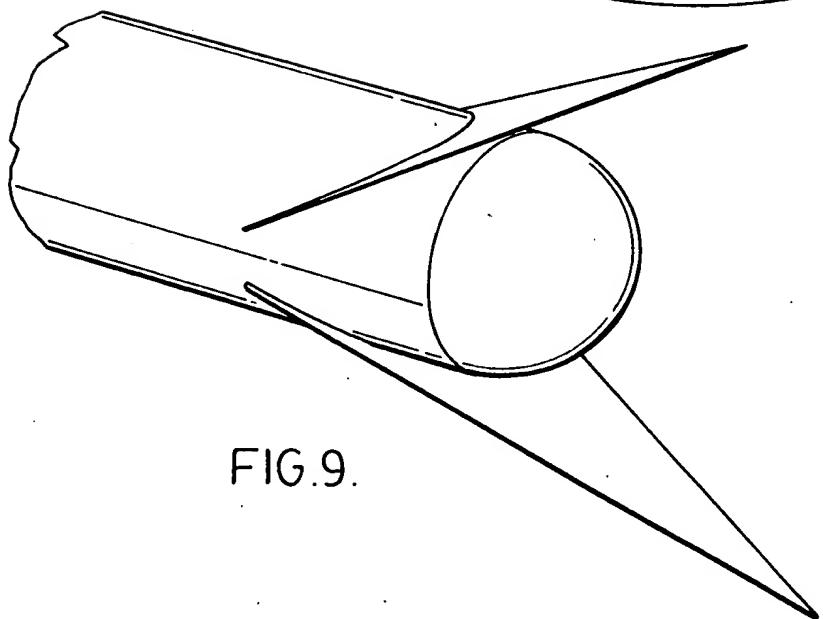


FIG.10.

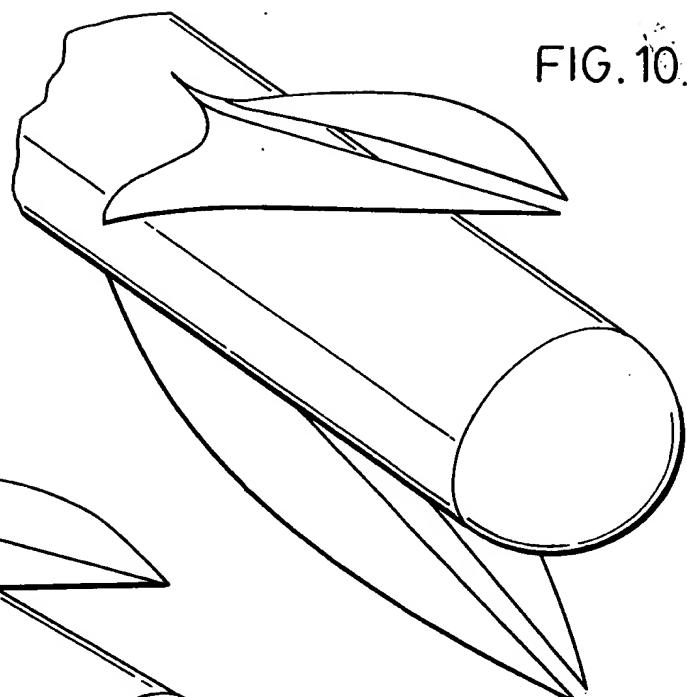


FIG.11.

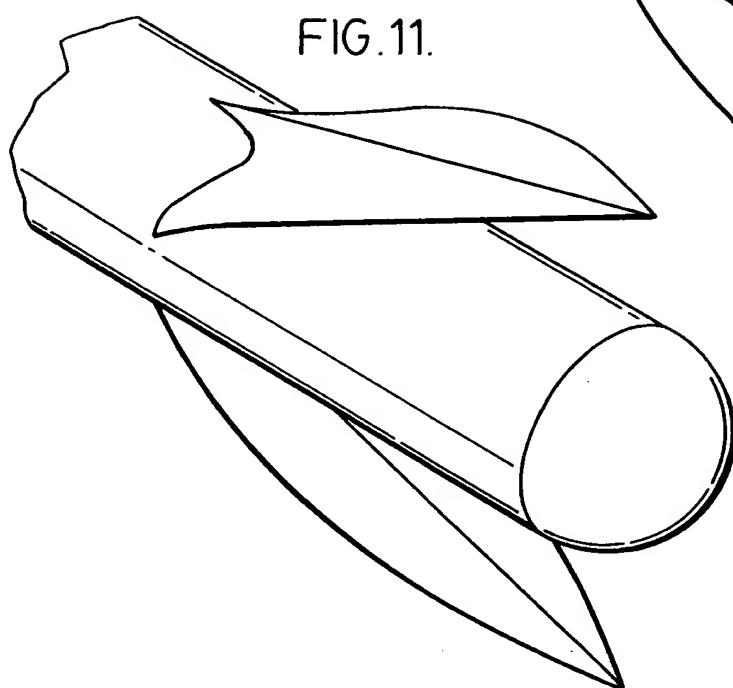


FIG.12.

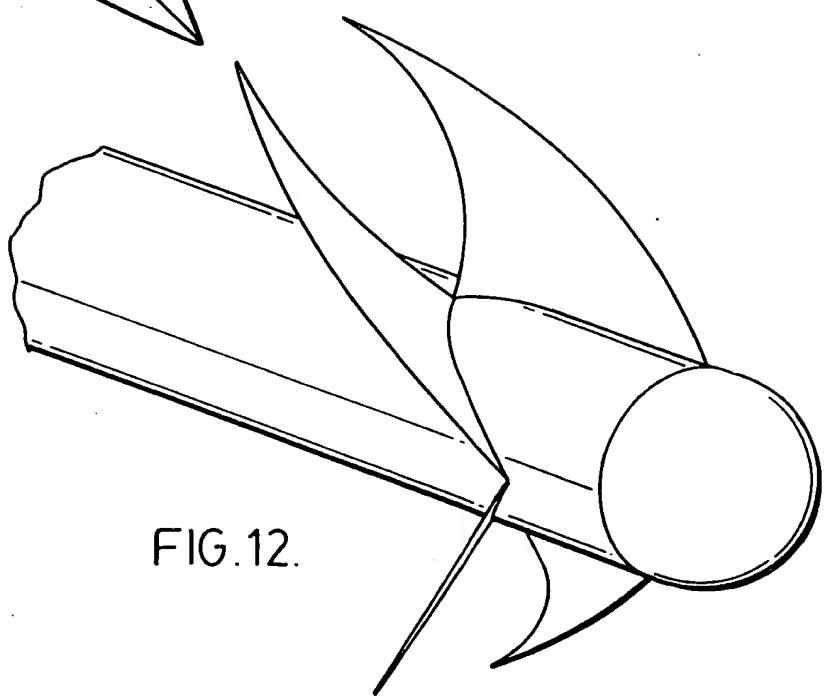


FIG.13.

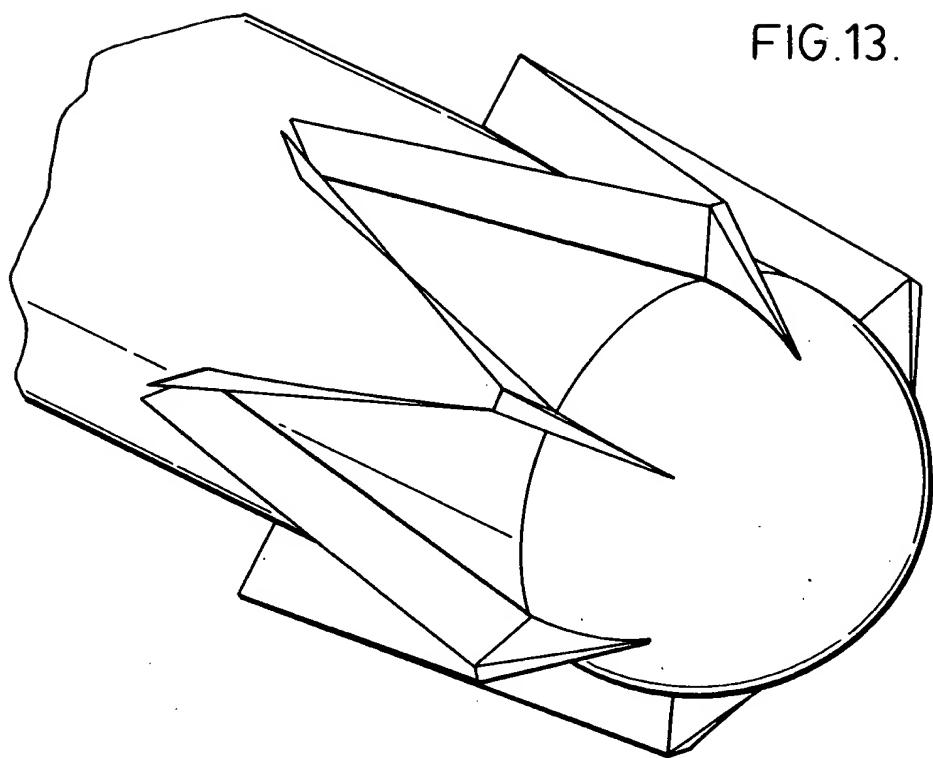


FIG.14.

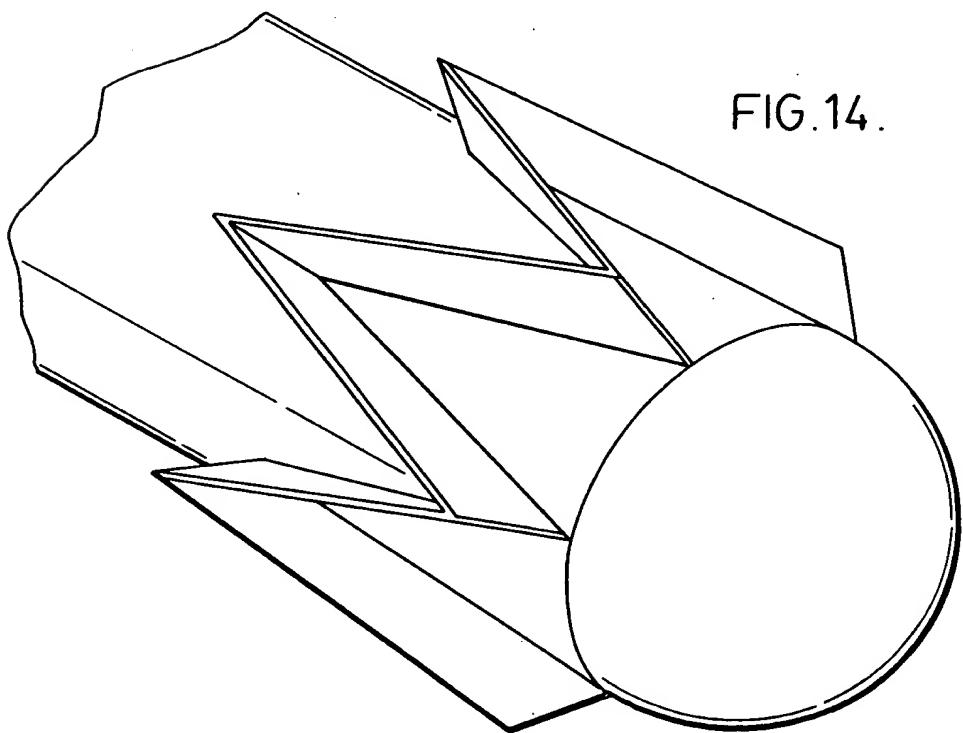


FIG. 15.

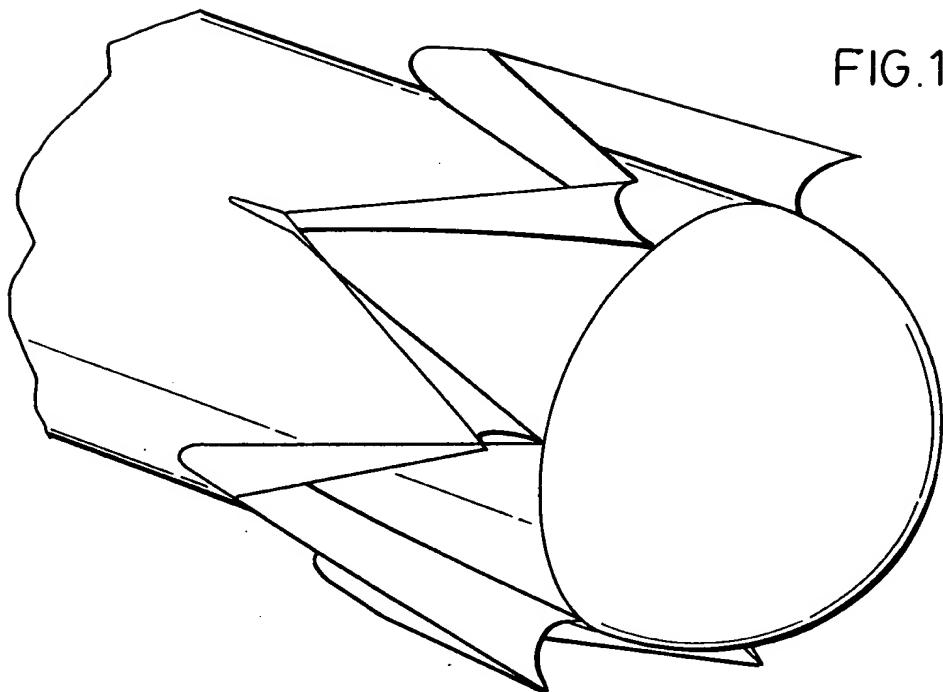


FIG. 16.

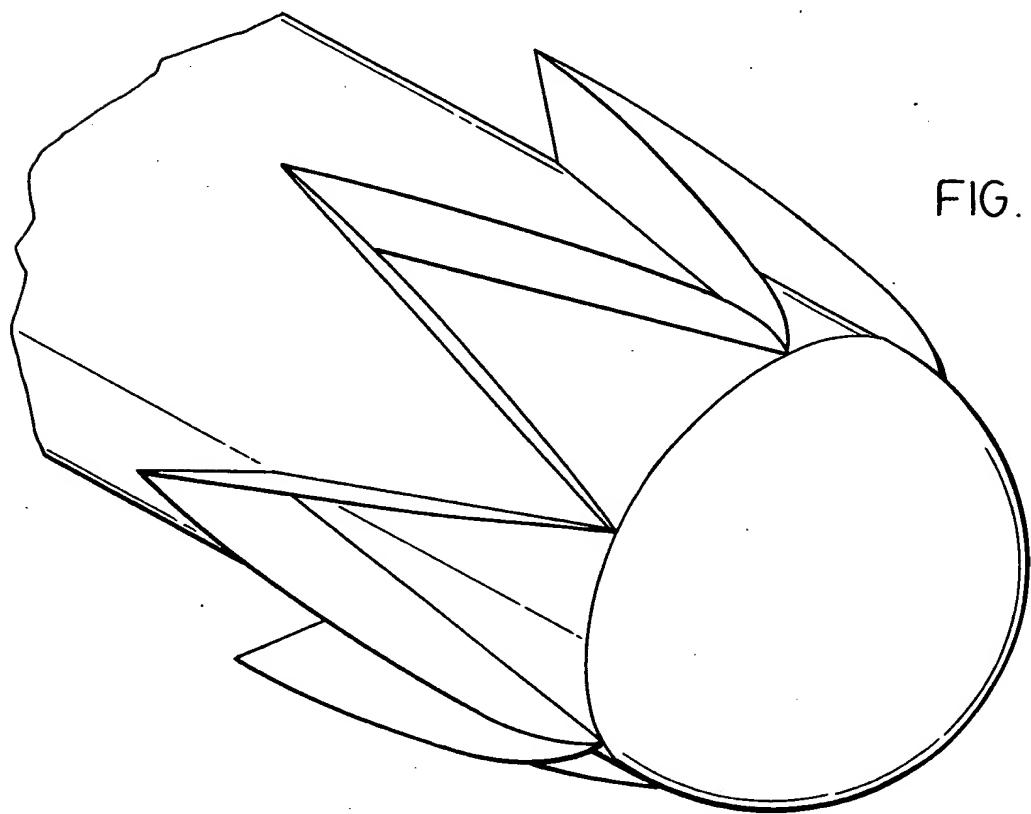


FIG. 17.

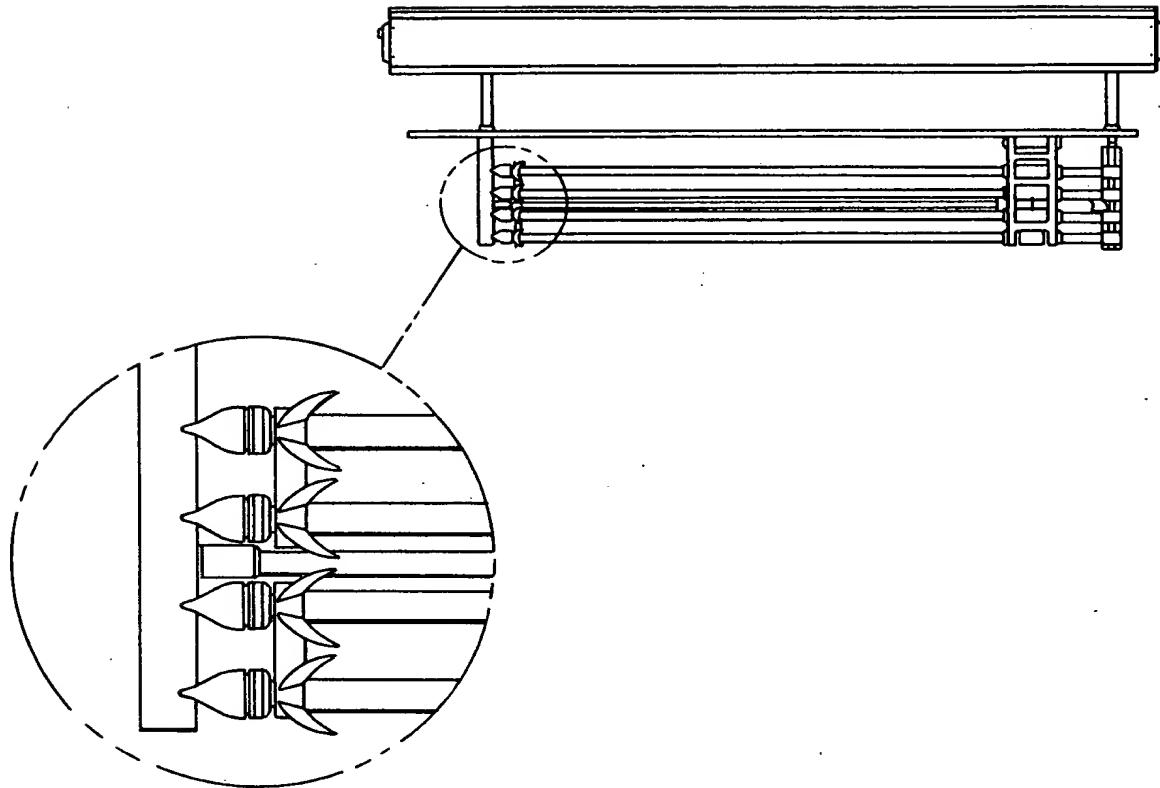


FIG. 18A.

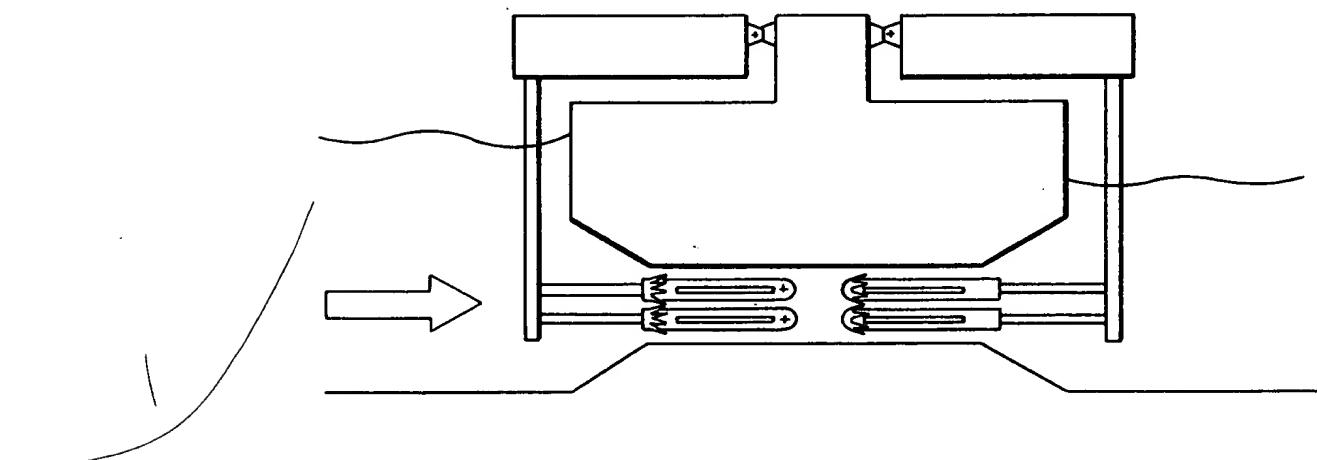


FIG.18B.

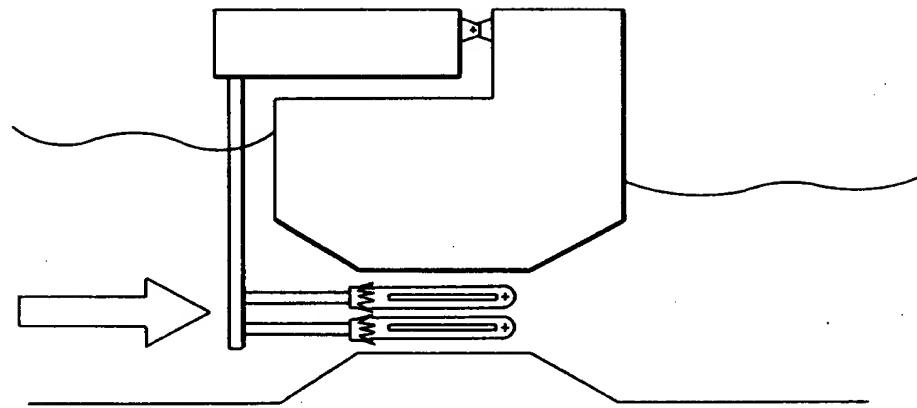


FIG.18C.

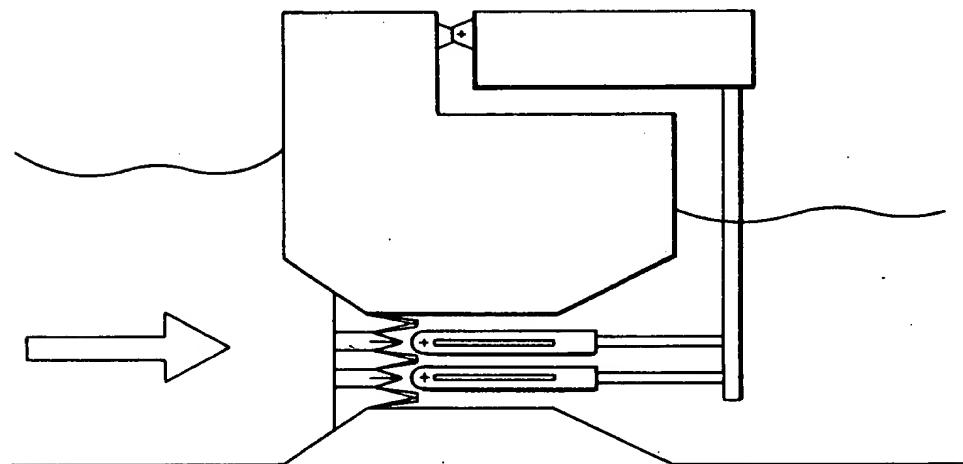


FIG. 19.

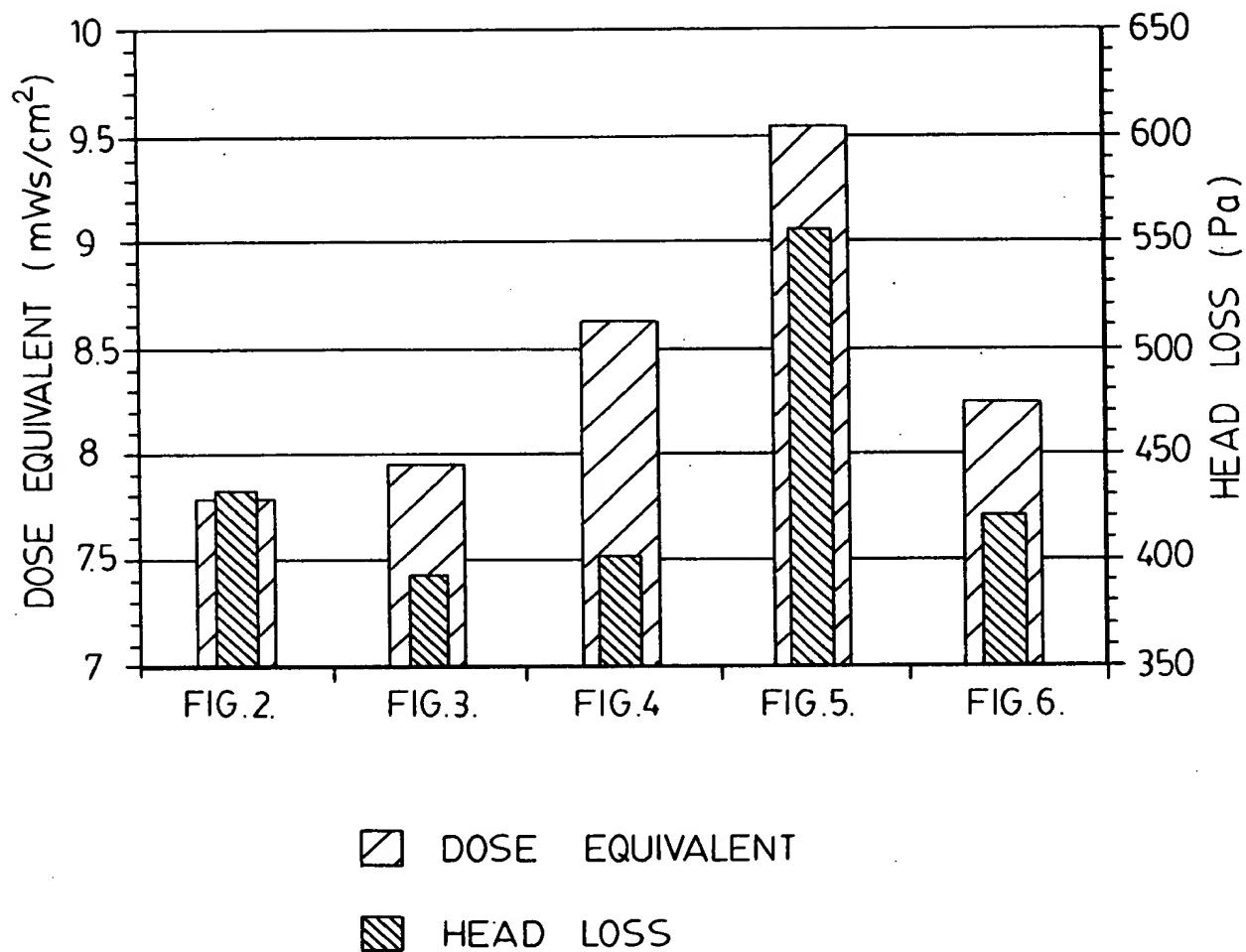


FIG. 20.

